CONTENTS

PREFACE

I	INTRODUCTION	I
1.1	Background, objectives and development of the research	I
1.2	Geographical context and specific characteristics of the research region	3
1.3	'Military' and 'civilian' during the Roman period	IC
2	MILITARY EQUIPMENT AND HORSE GEAR: A SURVEY	13
2.1	Military equipment	13
	2.1.1 Defensive weaponry	13
	2.1.2 Offensive weaponry	25
	2.1.3 Belts, aprons and baldrics	34
	2.1.4 Signalling instruments and military distinctions	41
2.2	Horse gear	44
	2.2.1 Bridle	45
	2.2.2 Saddle	47
	2.2.3 Girths	48
2.3	Phasing and historical context	60
3	AN ANALYSIS OF THE FINDS AT THE REGIONAL AND SITE LEVEL	65
3.1	Chronological analysis	65
	3.1.1 Archaeological visibility	66
	3.1.2 Chronological patterns in the finds	68
	3.1.3 Chronological analysis per type of find context	69
3.2	Geographical analysis	72
	3.2.1 Collection method and representativity	74
	3.2.2 Geographical distribution of the finds	81
	3.2.3 The research region in a northwest European context	85
3.3	Composition and spatial distribution at the site level	90
	3.3.1 Rural settlements and cemeteries	91
	3.3.2 The urban centres at Nijmegen	115
	3.3.3 Cult places	120
	3.3.4 Rivers	124
3.4	Conclusion	128
4	PRODUCTION AND SYMBOLIC IMAGERY	129
4.1	The production of weaponry and horse gear	129
	4.1.1 Mediterranean imports	130
	4.1.2 Self-sufficient army units: production in military fabricae	131
	4.1.3 The rise of private workshops	134
	4.1.4 Centralised production in state workshops	137
4.2	Decoration and symbolism	138
	4.2.1 Political propaganda: the glorification of the imperial family	138
	4.2.2 The invincibility of Rome	145
	4.2.3 Appeals for divine protection	149

4.3	Conclusion	155
5	MILITARY EQUIPMENT AND THE LIFE CYCLE OF A ROMAN SOLDIER	157
5.1	The life cycle of a Roman soldier	157
	5.1.1 Enlistment, military service and honourable discharge: probatus, signatus, miles and veteranus	158
	5.1.2 Veteran's work and place of residence after their missio honesta	161
	5.1.3 The origin of veterans who settled in the eastern Rhine delta	164
5.2	Use of weaponry and horse gear during the life of a soldier	166
	5.2.1 The acquisition of military equipment and the question of ownership	166
	5.2.2 Military use: functional objects and symbols of rank, wealth and status	171
	5.2.3 'Social use' after completing military service: personal memorabilia	173
5.3	Types of social use in the different non-military contexts	177
	5.3.1 Ritual deposition at cult places	177
	5.3.2 River finds: deliberate depositions, lost items and washout material	181
	5.3.3 Urban centres: lost objects, deliberate depositions and kept object	189
	5.3.4 Rural settlements: ritual depositions and discarded items	193
	5.3.5 Graves: gifts for the dead	199
5.4	Conclusion	200
6	NON-MILITARY USE OF WEAPONRY AND HORSE GEAR IN	
	URBAN AND RURAL SETTLEMENTS	207
6.1	The bearing of arms by non-soldiers	207
	6.1.1 The Corpus Juris Civilis: a ban on weapons possession by civilians?	207
	6.1.2 Lances, spears, arrows and sling shot: hunting weapons	208
	6.1.3 Swords and daggers: weapons for civilian self-defence	211
6.2	Military-civilian use of the cingulum and baldric	215
6.3	Non-military uses of horse gear	217
	6.3.1 Local horse breeding to supply the Roman army	217
	6.3.2 Finds of the Gallo-Roman double yoke and the role of horses as draught animals	220
	6.3.3 Protective symbols for civilian mounts	225
6.4	Conclusion	235
7	WARRIORS, SOLDIERS AND CIVILIANS. USE AND SIGNIFICANCE OF	
	WEAPONRY AND HORSE GEAR IN A CHANGING SOCIO-POLITICAL	
	CONTEXT	237
7.1	The pre-Roman situation: the importance of warriorship	237
7.2	Consequences of the Roman takeover: continuity and discontinuity of late Iron Age traditions	244
7.3	A 'civilian' lifestyle at the imperial frontier	25
7.4	'Germanic' newcomers and a revival of martial values?	254
7.5	Conclusion	258
	viations	259
Bibliography		260
Appendices 1-4		287
About the plates and the catalogue		311
Plates 1-96		312